

July 01, 2016

Monte Peake
Civil & Environmental Consultants
4848 Park 370 Blvd.
Suite F
Hazelwood, MO 63042
TEL: (314) 656-4566
FAX: (314) 656-4595



RE: Huster Road Substation 120-678

WorkOrder: 16061607

Dear Monte Peake:

TEKLAB, INC received 5 samples on 6/24/2016 2:55:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Michael L. Austin
Project Manager
(618)344-1004 ex 16
MAustin@teklabinc.com

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

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Definitions

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

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Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surrogate Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|--|---|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| E - Value above quantitation range | H - Holding times exceeded |
| I - Associated internal standard was outside method criteria | J - Analyte detected below quantitation limits |
| M - Manual Integration used to determine area response | ND - Not Detected at the Reporting Limit |
| R - RPD outside accepted recovery limits | S - Spike Recovery outside recovery limits |
| T - TIC(Tentatively identified compound) | X - Value exceeds Maximum Contaminant Level |



Case Narrative

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

Cooler Receipt Temp: 19.42 °C

Locations and Accreditations

	Collinsville	Springfield	Kansas City	Collinsville Air
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	3920 Pintail Dr Springfield, IL 62711-9415	8421 Nieman Road Lenexa, KS 66214	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004	(217) 698-1004	(913) 541-1998	(618) 344-1004
Fax	(618) 344-1005	(217) 698-1005	(913) 541-1998	(618) 344-1005
Email	jhriley@teklabinc.com	KKlostermann@teklabinc.com	dthompson@teklabinc.com	EHurley@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2017	Collinsville
Kansas	KDHE	E-10374	NELAP	7/31/2016	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2017	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2017	Collinsville
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2016	Collinsville
Arkansas	ADEQ	88-0966		3/14/2017	Collinsville
Illinois	IDPH	17584		5/31/2017	Collinsville
Kentucky	KDEP	98006		12/31/2016	Collinsville
Kentucky	UST	0073		1/31/2017	Collinsville
Missouri	MDNR	00930		5/31/2017	Collinsville
Missouri	MDNR	930		1/31/2017	Collinsville
Oklahoma	ODEQ	9978		8/31/2016	Collinsville

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

Lab ID: 16061607-001

Client Sample ID: CW-4

Matrix: AQUEOUS

Collection Date: 06/24/2016 8:33

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/28/2016 17:35	120273
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/28/2016 17:35	120273
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
2-Butanone	NELAP	25.0		ND	µg/L	1	06/28/2016 17:35	120273
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/28/2016 17:35	120273
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/28/2016 17:35	120273
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/28/2016 17:35	120273
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/28/2016 17:35	120273
Acetone	NELAP	25.0		ND	µg/L	1	06/28/2016 17:35	120273
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/28/2016 17:35	120273
Acrolein	NELAP	100		ND	µg/L	1	06/28/2016 17:35	120273
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Benzene	NELAP	2.0		ND	µg/L	1	06/28/2016 17:35	120273
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Bromoform	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Bromomethane	NELAP	10.0		ND	µg/L	1	06/28/2016 17:35	120273
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Chloroethane	NELAP	10.0		ND	µg/L	1	06/28/2016 17:35	120273

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

Lab ID: 16061607-001

Client Sample ID: CW-4

Matrix: AQUEOUS

Collection Date: 06/24/2016 8:33

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Chloromethane	NELAP	10.0		ND	µg/L	1	06/28/2016 17:35	120273
Chloroprene	NELAP	20.0		ND	µg/L	1	06/28/2016 17:35	120273
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Cyclohexanone		50.0		ND	µg/L	1	06/28/2016 17:35	120273
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/28/2016 17:35	120273
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/28/2016 17:35	120273
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/28/2016 17:35	120273
Iodomethane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/28/2016 17:35	120273
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/28/2016 17:35	120273
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/28/2016 17:35	120273
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Naphthalene	NELAP	10.0		ND	µg/L	1	06/28/2016 17:35	120273
n-Butyl acetate		25.0		ND	µg/L	1	06/28/2016 17:35	120273
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
n-Heptane		20.0		ND	µg/L	1	06/28/2016 17:35	120273
n-Hexane		20.0		ND	µg/L	1	06/28/2016 17:35	120273
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/29/2016 13:26	120321
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
o-Xylene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/28/2016 17:35	120273
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Propionitrile	NELAP	50.0		ND	µg/L	1	06/28/2016 17:35	120273
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Styrene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/28/2016 17:35	120273
Toluene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/28/2016 17:35	120273
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 17:35	120273
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/28/2016 17:35	120273

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

Lab ID: 16061607-001

Client Sample ID: CW-4

Matrix: AQUEOUS

Collection Date: 06/24/2016 8:33

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/28/2016 17:35	120273
Surr: 1,2-Dichloroethane-d4		74.7-129		98.7	%REC	1	06/28/2016 17:35	120273
Surr: 4-Bromofluorobenzene		86-119		98.5	%REC	1	06/28/2016 17:35	120273
Surr: Dibromofluoromethane		81.7-123		94.5	%REC	1	06/28/2016 17:35	120273
Surr: Toluene-d8		84.3-114		102.1	%REC	1	06/28/2016 17:35	120273

LCS recovered outside upper QC limits for Acetone and Styrene. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

Lab ID: 16061607-002

Client Sample ID: CW-5

Matrix: AQUEOUS

Collection Date: 06/24/2016 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/28/2016 18:02	120273
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/28/2016 18:02	120273
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
2-Butanone	NELAP	25.0		ND	µg/L	1	06/28/2016 18:02	120273
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/28/2016 18:02	120273
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/28/2016 18:02	120273
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/28/2016 18:02	120273
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/28/2016 18:02	120273
Acetone	NELAP	25.0		ND	µg/L	1	06/28/2016 18:02	120273
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/28/2016 18:02	120273
Acrolein	NELAP	100		ND	µg/L	1	06/28/2016 18:02	120273
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Benzene	NELAP	2.0		ND	µg/L	1	06/28/2016 18:02	120273
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Bromoform	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Bromomethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:02	120273
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Chloroethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:02	120273

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

Lab ID: 16061607-002

Client Sample ID: CW-5

Matrix: AQUEOUS

Collection Date: 06/24/2016 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Chloromethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:02	120273
Chloroprene	NELAP	20.0		ND	µg/L	1	06/28/2016 18:02	120273
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Cyclohexanone		50.0		ND	µg/L	1	06/28/2016 18:02	120273
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:02	120273
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/28/2016 18:02	120273
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:02	120273
Iodomethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
m,p-Xylenes	NELAP	5.0	J	1.3	µg/L	1	06/28/2016 18:02	120273
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/28/2016 18:02	120273
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/28/2016 18:02	120273
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/28/2016 18:02	120273
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Naphthalene	NELAP	10.0		ND	µg/L	1	06/28/2016 18:02	120273
n-Butyl acetate		25.0		ND	µg/L	1	06/28/2016 18:02	120273
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
n-Heptane		20.0		ND	µg/L	1	06/28/2016 18:02	120273
n-Hexane		20.0		ND	µg/L	1	06/28/2016 18:02	120273
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/29/2016 13:52	120321
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
o-Xylene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/28/2016 18:02	120273
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Propionitrile	NELAP	50.0		ND	µg/L	1	06/28/2016 18:02	120273
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Styrene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/28/2016 18:02	120273
Toluene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/28/2016 18:02	120273
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:02	120273
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/28/2016 18:02	120273

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

Lab ID: 16061607-002

Client Sample ID: CW-5

Matrix: AQUEOUS

Collection Date: 06/24/2016 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/28/2016 18:02	120273
Surr: 1,2-Dichloroethane-d4		74.7-129		99.2	%REC	1	06/28/2016 18:02	120273
Surr: 4-Bromofluorobenzene		86-119		98.3	%REC	1	06/28/2016 18:02	120273
Surr: Dibromofluoromethane		81.7-123		95.1	%REC	1	06/28/2016 18:02	120273
Surr: Toluene-d8		84.3-114		101.8	%REC	1	06/28/2016 18:02	120273

LCS recovered outside upper QC limits for Acetone and Styrene. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

Lab ID: 16061607-003

Client Sample ID: CW-6

Matrix: AQUEOUS

Collection Date: 06/24/2016 8:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/28/2016 18:29	120273
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/28/2016 18:29	120273
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
2-Butanone	NELAP	25.0		ND	µg/L	1	06/28/2016 18:29	120273
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/28/2016 18:29	120273
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/28/2016 18:29	120273
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/28/2016 18:29	120273
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/28/2016 18:29	120273
Acetone	NELAP	25.0		ND	µg/L	1	06/28/2016 18:29	120273
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/28/2016 18:29	120273
Acrolein	NELAP	100		ND	µg/L	1	06/28/2016 18:29	120273
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Benzene	NELAP	2.0		ND	µg/L	1	06/28/2016 18:29	120273
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Bromoform	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Bromomethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:29	120273
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Chloroethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:29	120273

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

Lab ID: 16061607-003

Client Sample ID: CW-6

Matrix: AQUEOUS

Collection Date: 06/24/2016 8:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Chloromethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:29	120273
Chloroprene	NELAP	20.0		ND	µg/L	1	06/28/2016 18:29	120273
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Cyclohexanone		50.0		ND	µg/L	1	06/28/2016 18:29	120273
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:29	120273
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/28/2016 18:29	120273
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:29	120273
Iodomethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/28/2016 18:29	120273
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/28/2016 18:29	120273
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/28/2016 18:29	120273
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Naphthalene	NELAP	10.0		ND	µg/L	1	06/28/2016 18:29	120273
n-Butyl acetate		25.0		ND	µg/L	1	06/28/2016 18:29	120273
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
n-Heptane		20.0		ND	µg/L	1	06/28/2016 18:29	120273
n-Hexane		20.0		ND	µg/L	1	06/28/2016 18:29	120273
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/29/2016 14:19	120321
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
o-Xylene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/28/2016 18:29	120273
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Propionitrile	NELAP	50.0		ND	µg/L	1	06/28/2016 18:29	120273
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Styrene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/28/2016 18:29	120273
Toluene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/28/2016 18:29	120273
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:29	120273
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/28/2016 18:29	120273

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

Lab ID: 16061607-003

Client Sample ID: CW-6

Matrix: AQUEOUS

Collection Date: 06/24/2016 8:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/28/2016 18:29	120273
Surr: 1,2-Dichloroethane-d4		74.7-129		98.6	%REC	1	06/28/2016 18:29	120273
Surr: 4-Bromofluorobenzene		86-119		100.1	%REC	1	06/28/2016 18:29	120273
Surr: Dibromofluoromethane		81.7-123		94.8	%REC	1	06/28/2016 18:29	120273
Surr: Toluene-d8		84.3-114		101.4	%REC	1	06/28/2016 18:29	120273

LCS recovered outside upper QC limits for Acetone and Styrene. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

Lab ID: 16061607-004

Client Sample ID: CW-9

Matrix: AQUEOUS

Collection Date: 06/24/2016 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/28/2016 18:55	120273
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/28/2016 18:55	120273
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
2-Butanone	NELAP	25.0		ND	µg/L	1	06/28/2016 18:55	120273
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/28/2016 18:55	120273
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/28/2016 18:55	120273
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/28/2016 18:55	120273
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/28/2016 18:55	120273
Acetone	NELAP	25.0		ND	µg/L	1	06/28/2016 18:55	120273
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/28/2016 18:55	120273
Acrolein	NELAP	100		ND	µg/L	1	06/28/2016 18:55	120273
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Benzene	NELAP	2.0		ND	µg/L	1	06/28/2016 18:55	120273
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Bromoform	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Bromomethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:55	120273
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Chloroethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:55	120273

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

Lab ID: 16061607-004

Client Sample ID: CW-9

Matrix: AQUEOUS

Collection Date: 06/24/2016 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Chloromethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:55	120273
Chloroprene	NELAP	20.0		ND	µg/L	1	06/28/2016 18:55	120273
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Cyclohexanone		50.0		ND	µg/L	1	06/28/2016 18:55	120273
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:55	120273
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/28/2016 18:55	120273
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/28/2016 18:55	120273
Iodomethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/28/2016 18:55	120273
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/28/2016 18:55	120273
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/28/2016 18:55	120273
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Naphthalene	NELAP	10.0		ND	µg/L	1	06/28/2016 18:55	120273
n-Butyl acetate		25.0		ND	µg/L	1	06/28/2016 18:55	120273
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
n-Heptane		20.0		ND	µg/L	1	06/28/2016 18:55	120273
n-Hexane		20.0		ND	µg/L	1	06/28/2016 18:55	120273
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/29/2016 14:46	120321
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
o-Xylene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/28/2016 18:55	120273
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Propionitrile	NELAP	50.0		ND	µg/L	1	06/28/2016 18:55	120273
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Styrene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/28/2016 18:55	120273
Toluene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/28/2016 18:55	120273
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 18:55	120273
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/28/2016 18:55	120273

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

Lab ID: 16061607-004

Client Sample ID: CW-9

Matrix: AQUEOUS

Collection Date: 06/24/2016 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/28/2016 18:55	120273
Surr: 1,2-Dichloroethane-d4		74.7-129		99.0	%REC	1	06/28/2016 18:55	120273
Surr: 4-Bromofluorobenzene		86-119		98.9	%REC	1	06/28/2016 18:55	120273
Surr: Dibromofluoromethane		81.7-123		95.0	%REC	1	06/28/2016 18:55	120273
Surr: Toluene-d8		84.3-114		101.9	%REC	1	06/28/2016 18:55	120273

LCS recovered outside upper QC limits for Acetone and Styrene. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

Lab ID: 16061607-005

Client Sample ID: DUP

Matrix: AQUEOUS

Collection Date: 06/24/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/28/2016 19:22	120273
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/28/2016 19:22	120273
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
2-Butanone	NELAP	25.0		ND	µg/L	1	06/28/2016 19:22	120273
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/28/2016 19:22	120273
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/28/2016 19:22	120273
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/28/2016 19:22	120273
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/28/2016 19:22	120273
Acetone	NELAP	25.0		ND	µg/L	1	06/28/2016 19:22	120273
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/28/2016 19:22	120273
Acrolein	NELAP	100		ND	µg/L	1	06/28/2016 19:22	120273
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Benzene	NELAP	2.0		ND	µg/L	1	06/28/2016 19:22	120273
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Bromoform	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Bromomethane	NELAP	10.0		ND	µg/L	1	06/28/2016 19:22	120273
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Chloroethane	NELAP	10.0		ND	µg/L	1	06/28/2016 19:22	120273

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

Lab ID: 16061607-005

Client Sample ID: DUP

Matrix: AQUEOUS

Collection Date: 06/24/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Chloromethane	NELAP	10.0		ND	µg/L	1	06/28/2016 19:22	120273
Chloroprene	NELAP	20.0		ND	µg/L	1	06/28/2016 19:22	120273
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Cyclohexanone		50.0		ND	µg/L	1	06/28/2016 19:22	120273
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/28/2016 19:22	120273
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/28/2016 19:22	120273
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/28/2016 19:22	120273
Iodomethane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/28/2016 19:22	120273
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/28/2016 19:22	120273
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/28/2016 19:22	120273
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Naphthalene	NELAP	10.0		ND	µg/L	1	06/28/2016 19:22	120273
n-Butyl acetate		25.0		ND	µg/L	1	06/28/2016 19:22	120273
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
n-Heptane		20.0		ND	µg/L	1	06/28/2016 19:22	120273
n-Hexane		20.0		ND	µg/L	1	06/28/2016 19:22	120273
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/29/2016 15:13	120321
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
o-Xylene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/28/2016 19:22	120273
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Propionitrile	NELAP	50.0		ND	µg/L	1	06/28/2016 19:22	120273
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Styrene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/28/2016 19:22	120273
Toluene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/28/2016 19:22	120273
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/28/2016 19:22	120273
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/28/2016 19:22	120273

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

Lab ID: 16061607-005

Client Sample ID: DUP

Matrix: AQUEOUS

Collection Date: 06/24/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/28/2016 19:22	120273
Surr: 1,2-Dichloroethane-d4		74.7-129		99.2	%REC	1	06/28/2016 19:22	120273
Surr: 4-Bromofluorobenzene		86-119		100.3	%REC	1	06/28/2016 19:22	120273
Surr: Dibromofluoromethane		81.7-123		94.9	%REC	1	06/28/2016 19:22	120273
Surr: Toluene-d8		84.3-114		102.5	%REC	1	06/28/2016 19:22	120273

LCS recovered outside upper QC limits for Acetone and Styrene. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).



Sample Summary

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
16061607-001	CW-4	Aqueous	1	06/24/2016 8:33
16061607-002	CW-5	Aqueous	1	06/24/2016 8:40
16061607-003	CW-6	Aqueous	1	06/24/2016 8:55
16061607-004	CW-9	Aqueous	1	06/24/2016 9:00
16061607-005	DUP	Aqueous	1	06/24/2016 0:00

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
16061607-001A	CW-4	06/24/2016 8:33	06/24/2016 14:55		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/28/2016 17:35	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/29/2016 13:26	
16061607-002A	CW-5	06/24/2016 8:40	06/24/2016 14:55		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/28/2016 18:02	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/29/2016 13:52	
16061607-003A	CW-6	06/24/2016 8:55	06/24/2016 14:55		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/28/2016 18:29	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/29/2016 14:19	
16061607-004A	CW-9	06/24/2016 9:00	06/24/2016 14:55		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/28/2016 18:55	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/29/2016 14:46	
16061607-005A	DUP	06/24/2016 0:00	06/24/2016 14:55		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/28/2016 19:22	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/29/2016 15:13	

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120273	SampType:	MBLK	Units	µg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
1,1,1,2-Tetrachloroethane		5.0		ND							06/28/2016
1,1,1-Trichloroethane		5.0		ND							06/28/2016
1,1,2,2-Tetrachloroethane		5.0		ND							06/28/2016
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND							06/28/2016
1,1,2-Trichloroethane		5.0		ND							06/28/2016
1,1-Dichloro-2-propanone		50.0		ND							06/28/2016
1,1-Dichloroethane		5.0		ND							06/28/2016
1,1-Dichloroethene		5.0		ND							06/28/2016
1,1-Dichloropropene		5.0		ND							06/28/2016
1,2,3-Trichlorobenzene		5.0		ND							06/28/2016
1,2,3-Trichloropropane		5.0		ND							06/28/2016
1,2,3-Trimethylbenzene		5.0		ND							06/28/2016
1,2,4-Trichlorobenzene		5.0		ND							06/28/2016
1,2,4-Trimethylbenzene		5.0		ND							06/28/2016
1,2-Dibromo-3-chloropropane		5.0		ND							06/28/2016
1,2-Dibromoethane		5.0		ND							06/28/2016
1,2-Dichlorobenzene		5.0		ND							06/28/2016
1,2-Dichloroethane		5.0		ND							06/28/2016
1,2-Dichloropropane		5.0		ND							06/28/2016
1,3,5-Trimethylbenzene		5.0		ND							06/28/2016
1,3-Dichlorobenzene		5.0		ND							06/28/2016
1,3-Dichloropropane		5.0		ND							06/28/2016
1,4-Dichlorobenzene		5.0		ND							06/28/2016
1-Chlorobutane		5.0		ND							06/28/2016
2,2-Dichloropropane		5.0		ND							06/28/2016
2-Butanone		25.0		ND							06/28/2016
2-Chloroethyl vinyl ether		20.0		ND							06/28/2016
2-Chlorotoluene		5.0		ND							06/28/2016
2-Hexanone		25.0		ND							06/28/2016
2-Nitropropane		50.0		ND							06/28/2016
4-Chlorotoluene		5.0		ND							06/28/2016
4-Methyl-2-pentanone		25.0		ND							06/28/2016
Acetone		25.0		ND							06/28/2016
Acetonitrile		50.0		ND							06/28/2016
Acrolein		100		ND							06/28/2016
Acrylonitrile		5.0		ND							06/28/2016
Allyl chloride		5.0		ND							06/28/2016
Benzene		2.0		ND							06/28/2016
Bromobenzene		5.0		ND							06/28/2016
Bromochloromethane		5.0		ND							06/28/2016
Bromodichloromethane		5.0		ND							06/28/2016
Bromoform		5.0		ND							06/28/2016
Bromomethane		10.0		ND							06/28/2016
Carbon disulfide		5.0		ND							06/28/2016
Carbon tetrachloride		5.0		ND							06/28/2016
Chlorobenzene		5.0		ND							06/28/2016
Chloroethane		10.0		ND							06/28/2016

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120273	SampType	MBLK	Units	µg/L	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
			SampID: MBLK-T160628B-1										
Analyses		RL	Qual										
Chloroform		5.0				ND							06/28/2016
Chloromethane		10.0				ND							06/28/2016
Chloroprene		20.0				ND							06/28/2016
cis-1,2-Dichloroethene		5.0				ND							06/28/2016
cis-1,3-Dichloropropene		5.0				ND							06/28/2016
cis-1,4-Dichloro-2-butene		5.0				ND							06/28/2016
Cyclohexanone		50.0				ND							06/28/2016
Dibromochloromethane		5.0				ND							06/28/2016
Dibromomethane		5.0				ND							06/28/2016
Dichlorodifluoromethane		10.0				ND							06/28/2016
Ethyl acetate		10.0				ND							06/28/2016
Ethyl ether		5.0				ND							06/28/2016
Ethyl methacrylate		5.0				ND							06/28/2016
Ethylbenzene		5.0				ND							06/28/2016
Hexachlorobutadiene		5.0				ND							06/28/2016
Hexachloroethane		10.0				ND							06/28/2016
Iodomethane		5.0				ND							06/28/2016
Isopropylbenzene		5.0				ND							06/28/2016
m,p-Xylenes		5.0				ND							06/28/2016
Methacrylonitrile		10.0				ND							06/28/2016
Methyl Methacrylate		5.0				ND							06/28/2016
Methyl tert-butyl ether		2.0				ND							06/28/2016
Methylacrylate		10.0				ND							06/28/2016
Methylene chloride		5.0				ND							06/28/2016
Naphthalene		10.0				ND							06/28/2016
n-Butyl acetate		25.0				ND							06/28/2016
n-Butylbenzene		5.0				ND							06/28/2016
n-Heptane		20.0				ND							06/28/2016
n-Hexane		20.0				ND							06/28/2016
Nitrobenzene		50.0				ND							06/28/2016
n-Propylbenzene		5.0				ND							06/28/2016
o-Xylene		5.0				ND							06/28/2016
Pentachloroethane		20.0				ND							06/28/2016
p-Isopropyltoluene		5.0				ND							06/28/2016
Propionitrile		50.0				ND							06/28/2016
sec-Butylbenzene		5.0				ND							06/28/2016
Styrene		5.0				ND							06/28/2016
tert-Butylbenzene		5.0				ND							06/28/2016
Tetrachloroethene		5.0				ND							06/28/2016
Tetrahydrofuran		20.0				ND							06/28/2016
Toluene		5.0				ND							06/28/2016
trans-1,2-Dichloroethene		5.0				ND							06/28/2016
trans-1,3-Dichloropropene		5.0				ND							06/28/2016
trans-1,4-Dichloro-2-butene		10.0				ND							06/28/2016
Trichloroethene		5.0				ND							06/28/2016
Trichlorofluoromethane		5.0				ND							06/28/2016
Vinyl acetate		10.0				ND							06/28/2016



Quality Control Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 120273 **SampType:** MBLK **Units** µg/L

SampID: MBLK-T160628B-1

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Vinyl chloride	2.0		ND							06/28/2016
Surr: 1,2-Dichloroethane-d4			49.0	50.00		98.0		74.7	129	06/28/2016
Surr: 4-Bromofluorobenzene			49.3	50.00		98.7		86	119	06/28/2016
Surr: Dibromofluoromethane			47.5	50.00		95.1		81.7	123	06/28/2016
Surr: Toluene-d8			50.0	50.00		100.0		84.3	114	06/28/2016

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120273	SampType:	LCSD	Units	µg/L	RPD Limit 40						Date Analyzed
						Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
				SampID:	LCSD-T160628B-1							
Analyses		RL	Qual									
1,1,1,2-Tetrachloroethane		5.0				52.7	50.00	0	105.3	55.59	5.39	06/28/2016
1,1,1-Trichloroethane		5.0				49.8	50.00	0	99.7	53.06	6.28	06/28/2016
1,1,2,2-Tetrachloroethane		5.0				49.2	50.00	0	98.4	51.41	4.39	06/28/2016
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0				48.1	50.00	0	96.2	51.17	6.21	06/28/2016
1,1,2-Trichloroethane		5.0				50.8	50.00	0	101.6	53.33	4.86	06/28/2016
1,1-Dichloro-2-propanone		50.0				121	125.0	0	96.6	129.1	6.68	06/28/2016
1,1-Dichloroethane		5.0				48.7	50.00	0	97.4	51.45	5.51	06/28/2016
1,1-Dichloroethene		5.0				47.7	50.00	0	95.3	51.37	7.49	06/28/2016
1,1-Dichloropropene		5.0				50.0	50.00	0	100.1	53.82	7.30	06/28/2016
1,2,3-Trichlorobenzene		5.0				48.6	50.00	0	97.3	51.19	5.13	06/28/2016
1,2,3-Trichloropropane		5.0				49.1	50.00	0	98.3	51.87	5.43	06/28/2016
1,2,3-Trimethylbenzene		5.0				50.1	50.00	0	100.2	52.54	4.77	06/28/2016
1,2,4-Trichlorobenzene		5.0				47.3	50.00	0	94.7	49.57	4.62	06/28/2016
1,2,4-Trimethylbenzene		5.0				51.9	50.00	0	103.8	54.70	5.21	06/28/2016
1,2-Dibromo-3-chloropropane		5.0				50.0	50.00	0	99.9	51.66	3.35	06/28/2016
1,2-Dibromoethane		5.0				49.9	50.00	0	99.8	52.28	4.66	06/28/2016
1,2-Dichlorobenzene		5.0				48.4	50.00	0	96.9	50.84	4.86	06/28/2016
1,2-Dichloroethane		5.0				48.5	50.00	0	96.9	50.93	4.97	06/28/2016
1,2-Dichloropropane		5.0				49.2	50.00	0	98.4	52.08	5.73	06/28/2016
1,3,5-Trimethylbenzene		5.0				51.8	50.00	0	103.7	54.88	5.72	06/28/2016
1,3-Dichlorobenzene		5.0				49.8	50.00	0	99.6	52.55	5.37	06/28/2016
1,3-Dichloropropane		5.0				49.6	50.00	0	99.2	52.36	5.37	06/28/2016
1,4-Dichlorobenzene		5.0				48.0	50.00	0	96.1	50.32	4.66	06/28/2016
1-Chlorobutane		5.0				48.8	50.00	0	97.5	52.21	6.83	06/28/2016
2,2-Dichloropropane		5.0				59.8	50.00	0	119.7	64.05	6.81	06/28/2016
2-Butanone		25.0				128	125.0	0	102.7	140.4	8.94	06/28/2016
2-Chloroethyl vinyl ether		20.0				48.4	50.00	0	96.8	48.33	0.14	06/28/2016
2-Chlorotoluene		5.0				50.2	50.00	0	100.4	52.75	4.99	06/28/2016
2-Hexanone		25.0				135	125.0	0	108.2	146.4	7.94	06/28/2016
2-Nitropropane		50.0				543	500.0	0	108.6	576.5	5.98	06/28/2016
4-Chlorotoluene		5.0				50.4	50.00	0	100.9	52.98	4.89	06/28/2016
4-Methyl-2-pentanone		25.0				132	125.0	0	105.6	138.8	5.09	06/28/2016
Acetone		25.0				156	125.0	0	125.2	184.9	16.67	06/28/2016
Acetonitrile		50.0				555	500.0	0	111.0	592.1	6.48	06/28/2016
Acrolein		100				509	500.0	0	101.8	506.0	0.61	06/28/2016
Acrylonitrile		5.0				51.9	50.00	0	103.7	54.42	4.80	06/28/2016
Allyl chloride		5.0				53.4	50.00	0	106.8	58.35	8.90	06/28/2016
Benzene		2.0				49.6	50.00	0	99.3	52.94	6.41	06/28/2016
Bromobenzene		5.0				49.5	50.00	0	99.0	52.42	5.69	06/28/2016
Bromochloromethane		5.0				49.7	50.00	0	99.3	53.00	6.51	06/28/2016
Bromodichloromethane		5.0				51.0	50.00	0	101.9	54.06	5.90	06/28/2016
Bromoform		5.0				51.6	50.00	0	103.3	54.03	4.54	06/28/2016
Bromomethane		10.0				54.8	50.00	0	109.5	56.36	2.90	06/28/2016
Carbon disulfide		5.0				46.0	50.00	0	92.0	49.37	7.02	06/28/2016
Carbon tetrachloride		5.0				51.0	50.00	0	102.0	54.27	6.19	06/28/2016
Chlorobenzene		5.0				50.3	50.00	0	100.6	53.40	5.98	06/28/2016
Chloroethane		10.0				39.4	50.00	0	78.7	43.50	10.02	06/28/2016

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120273	SampType:	LCSD	Units	µg/L	RPD Limit 40											Date Analyzed
				SampID:	LCSD-T160628B-1	Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	
Chloroform				5.0		47.6	50.00	0	95.1		50.17		5.32		06/28/2016		
Chloromethane				10.0		39.3	50.00	0	78.6		42.96		8.90		06/28/2016		
Chloroprene				20.0		47.5	50.00	0	95.0		50.68		6.52		06/28/2016		
cis-1,2-Dichloroethene				5.0		49.4	50.00	0	98.9		52.71		6.38		06/28/2016		
cis-1,3-Dichloropropene				5.0		53.3	50.00	0	106.6		56.07		5.03		06/28/2016		
cis-1,4-Dichloro-2-butene				5.0		53.9	50.00	0	107.8		56.95		5.52		06/28/2016		
Cyclohexanone				50.0		527	500.0	0	105.3		526.9		0.07		06/28/2016		
Dibromochloromethane				5.0		52.3	50.00	0	104.6		54.89		4.81		06/28/2016		
Dibromomethane				5.0		47.9	50.00	0	95.9		51.02		6.22		06/28/2016		
Dichlorodifluoromethane				10.0		35.8	50.00	0	71.7		39.41		9.46		06/28/2016		
Ethyl acetate				10.0		49.8	50.00	0	99.5		53.73		7.65		06/28/2016		
Ethyl ether				5.0		45.9	50.00	0	91.7		48.21		5.00		06/28/2016		
Ethyl methacrylate				5.0		52.5	50.00	0	105.0		54.88		4.43		06/28/2016		
Ethylbenzene				5.0		52.0	50.00	0	104.1		55.40		6.27		06/28/2016		
Hexachlorobutadiene				5.0		52.0	50.00	0	104.0		55.24		6.04		06/28/2016		
Hexachloroethane				10.0		50.2	50.00	0	100.3		53.47		6.37		06/28/2016		
Iodomethane				5.0		44.5	50.00	0	89.0		48.96		9.52		06/28/2016		
Isopropylbenzene				5.0		53.9	50.00	0	107.7		56.71		5.16		06/28/2016		
m,p-Xylenes				5.0		105	100.0	0	105.0		111.2		5.74		06/28/2016		
Methacrylonitrile				10.0		50.3	50.00	0	100.7		53.23		5.58		06/28/2016		
Methyl Methacrylate				5.0		51.0	50.00	0	101.9		53.81		5.46		06/28/2016		
Methyl tert-butyl ether				2.0		47.2	50.00	0	94.5		50.99		7.66		06/28/2016		
Methylacrylate				10.0		52.6	50.00	0	105.2		54.82		4.13		06/28/2016		
Methylene chloride				5.0		44.9	50.00	0	89.8		47.41		5.42		06/28/2016		
Naphthalene				10.0		49.5	50.00	0	99.0		51.77		4.50		06/28/2016		
n-Butyl acetate				25.0		52.3	50.00	0	104.6		54.80		4.65		06/28/2016		
n-Butylbenzene				5.0		50.5	50.00	0	101.1		54.09		6.81		06/28/2016		
n-Heptane				20.0		54.0	50.00	0	107.9		58.87		8.72		06/28/2016		
n-Hexane				20.0		47.8	50.00	0	95.7		51.68		7.74		06/28/2016		
Nitrobenzene				50.0		471	500.0	0	94.2		478.4		1.58		06/28/2016		
n-Propylbenzene				5.0		50.8	50.00	0	101.7		53.95		5.96		06/28/2016		
o-Xylene				5.0		51.9	50.00	0	103.8		55.13		6.00		06/28/2016		
Pentachloroethane				20.0		54.8	50.00	0	109.6		56.82		3.66		06/28/2016		
p-Isopropyltoluene				5.0		53.6	50.00	0	107.3		57.05		6.16		06/28/2016		
Propionitrile				50.0		525	500.0	0	104.9		561.2		6.73		06/28/2016		
sec-Butylbenzene				5.0		52.0	50.00	0	103.9		55.21		6.08		06/28/2016		
Styrene				5.0		53.5	50.00	0	107.0		56.71		5.79		06/28/2016		
tert-Butylbenzene				5.0		50.6	50.00	0	101.3		54.08		6.57		06/28/2016		
Tetrachloroethene				5.0		50.2	50.00	0	100.3		53.65		6.70		06/28/2016		
Tetrahydrofuran				20.0		47.7	50.00	0	95.5		51.95		8.45		06/28/2016		
Toluene				5.0		50.2	50.00	0	100.4		53.06		5.54		06/28/2016		
trans-1,2-Dichloroethene				5.0		48.5	50.00	0	97.0		51.42		5.84		06/28/2016		
trans-1,3-Dichloropropene				5.0		53.2	50.00	0	106.5		56.23		5.44		06/28/2016		
trans-1,4-Dichloro-2-butene				10.0		53.6	50.00	0	107.2		55.54		3.56		06/28/2016		
Trichloroethene				5.0		49.1	50.00	0	98.1		52.33		6.45		06/28/2016		
Trichlorofluoromethane				5.0		47.3	50.00	0	94.6		52.21		9.91		06/28/2016		
Vinyl acetate				10.0		55.1	50.00	0	110.2		58.26		5.58		06/28/2016		

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120273	SampType	LCSD	Units	µg/L	RPD Limit 40						
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	Date Analyzed
Vinyl chloride		2.0		44.3	50.00	0	88.6		49.58		11.20	06/28/2016
Surr: 1,2-Dichloroethane-d4				48.6	50.00		97.2					06/28/2016
Surr: 4-Bromofluorobenzene				48.9	50.00		97.7					06/28/2016
Surr: Dibromofluoromethane				49.2	50.00		98.4					06/28/2016
Surr: Toluene-d8				50.6	50.00		101.3					06/28/2016

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120273	SampType	LCS	Units	µg/L							Date Analyzed
SampID:	LCS-T160628B-1											
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
1,1,1,2-Tetrachloroethane		5.0			55.6	50.00	0	111.2		81.9	115	06/28/2016
1,1,1-Trichloroethane		5.0			53.1	50.00	0	106.1		79.4	124	06/28/2016
1,1,2,2-Tetrachloroethane		5.0			51.4	50.00	0	102.8		74.7	116	06/28/2016
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0			51.2	50.00	0	102.3		72.9	121	06/28/2016
1,1,2-Trichloroethane		5.0			53.3	50.00	0	106.7		80.8	111	06/28/2016
1,1-Dichloro-2-propanone		50.0			129	125.0	0	103.3		66.3	130	06/28/2016
1,1-Dichloroethane		5.0			51.4	50.00	0	102.9		79.4	114	06/28/2016
1,1-Dichloroethene		5.0			51.4	50.00	0	102.7		74.1	117	06/28/2016
1,1-Dichloropropene		5.0			53.8	50.00	0	107.6		81.7	116	06/28/2016
1,2,3-Trichlorobenzene		5.0			51.2	50.00	0	102.4		79.7	118	06/28/2016
1,2,3-Trichloropropane		5.0			51.9	50.00	0	103.7		77.3	112	06/28/2016
1,2,3-Trimethylbenzene		5.0			52.5	50.00	0	105.1		79.9	119	06/28/2016
1,2,4-Trichlorobenzene		5.0			49.6	50.00	0	99.1		79.3	118	06/28/2016
1,2,4-Trimethylbenzene		5.0			54.7	50.00	0	109.4		78.7	115	06/28/2016
1,2-Dibromo-3-chloropropane		5.0			51.7	50.00	0	103.3		76	122	06/28/2016
1,2-Dibromoethane		5.0			52.3	50.00	0	104.6		80.8	114	06/28/2016
1,2-Dichlorobenzene		5.0			50.8	50.00	0	101.7		78.3	112	06/28/2016
1,2-Dichloroethane		5.0			50.9	50.00	0	101.9		70.6	118	06/28/2016
1,2-Dichloropropane		5.0			52.1	50.00	0	104.2		79.6	113	06/28/2016
1,3,5-Trimethylbenzene		5.0			54.9	50.00	0	109.8		77.5	115	06/28/2016
1,3-Dichlorobenzene		5.0			52.6	50.00	0	105.1		78.6	117	06/28/2016
1,3-Dichloropropane		5.0			52.4	50.00	0	104.7		78.8	112	06/28/2016
1,4-Dichlorobenzene		5.0			50.3	50.00	0	100.6		77.8	114	06/28/2016
1-Chlorobutane		5.0			52.2	50.00	0	104.4		78.6	115	06/28/2016
2,2-Dichloropropane		5.0			64.0	50.00	0	128.1		74.9	130	06/28/2016
2-Butanone		25.0			140	125.0	0	112.3		70.7	136	06/28/2016
2-Chloroethyl vinyl ether		20.0			48.3	50.00	0	96.7		52.5	145	06/28/2016
2-Chlorotoluene		5.0			52.8	50.00	0	105.5		77.4	114	06/28/2016
2-Hexanone		25.0			146	125.0	0	117.1		73.3	125	06/28/2016
2-Nitropropane		50.0			576	500.0	0	115.3		67.3	139	06/28/2016
4-Chlorotoluene		5.0			53.0	50.00	0	106.0		78.3	115	06/28/2016
4-Methyl-2-pentanone		25.0			139	125.0	0	111.1		76.3	122	06/28/2016
Acetone		25.0	S		185	125.0	0	148.0		56.4	147	06/28/2016
Acetonitrile		50.0			592	500.0	0	118.4		59.3	129	06/28/2016
Acrolein		100			506	500.0	0	101.2		1	201	06/28/2016
Acrylonitrile		5.0			54.4	50.00	0	108.8		74.1	128	06/28/2016
Allyl chloride		5.0			58.4	50.00	0	116.7		71.5	123	06/28/2016
Benzene		2.0			52.9	50.00	0	105.9		80	114	06/28/2016
Bromobenzene		5.0			52.4	50.00	0	104.8		73.2	118	06/28/2016
Bromochloromethane		5.0			53.0	50.00	0	106.0		73.3	121	06/28/2016
Bromodichloromethane		5.0			54.1	50.00	0	108.1		81.6	121	06/28/2016
Bromoform		5.0			54.0	50.00	0	108.1		83.1	127	06/28/2016
Bromomethane		10.0			56.4	50.00	0	112.7		44.4	154	06/28/2016
Carbon disulfide		5.0			49.4	50.00	0	98.7		73.2	118	06/28/2016
Carbon tetrachloride		5.0			54.3	50.00	0	108.5		79.4	130	06/28/2016
Chlorobenzene		5.0			53.4	50.00	0	106.8		81.4	110	06/28/2016
Chloroethane		10.0			43.5	50.00	0	87.0		52.1	137	06/28/2016

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120273	SampType	LCS	Units	µg/L						Date Analyzed
SampID:	LCS-T160628B-1										
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit
Chloroform		5.0			50.2	50.00	0	100.3		82.7	116
Chloromethane		10.0			43.0	50.00	0	85.9		48.2	144
Chloroprene		20.0			50.7	50.00	0	101.4		80.6	126
cis-1,2-Dichloroethene		5.0			52.7	50.00	0	105.4		78.2	116
cis-1,3-Dichloropropene		5.0			56.1	50.00	0	112.1		83	119
cis-1,4-Dichloro-2-butene		5.0			57.0	50.00	0	113.9		60.7	137
Cyclohexanone		50.0			527	500.0	0	105.4		54.2	145
Dibromochloromethane		5.0			54.9	50.00	0	109.8		81.2	121
Dibromomethane		5.0			51.0	50.00	0	102.0		78.3	118
Dichlorodifluoromethane		10.0			39.4	50.00	0	78.8		20.6	154
Ethyl acetate		10.0			53.7	50.00	0	107.5		73.1	116
Ethyl ether		5.0			48.2	50.00	0	96.4		75.2	109
Ethyl methacrylate		5.0			54.9	50.00	0	109.8		80.1	113
Ethylbenzene		5.0			55.4	50.00	0	110.8		77.2	113
Hexachlorobutadiene		5.0			55.2	50.00	0	110.5		77.3	123
Hexachloroethane		10.0			53.5	50.00	0	106.9		74.6	117
Iodomethane		5.0			49.0	50.00	0	97.9		61.3	140
Isopropylbenzene		5.0			56.7	50.00	0	113.4		81.3	114
m,p-Xylenes		5.0			111	100.0	0	111.2		79.6	113
Methacrylonitrile		10.0			53.2	50.00	0	106.5		77.2	125
Methyl Methacrylate		5.0			53.8	50.00	0	107.6		74.2	121
Methyl tert-butyl ether		2.0			51.0	50.00	0	102.0		76.8	117
Methylacrylate		10.0			54.8	50.00	0	109.6		78	124
Methylene chloride		5.0			47.4	50.00	0	94.8		74.1	114
Naphthalene		10.0			51.8	50.00	0	103.5		77.9	122
n-Butyl acetate		25.0			54.8	50.00	0	109.6		74	120
n-Butylbenzene		5.0			54.1	50.00	0	108.2		71.1	120
n-Heptane		20.0			58.9	50.00	0	117.7		67.4	129
n-Hexane		20.0			51.7	50.00	0	103.4		68.4	126
Nitrobenzene		50.0			478	500.0	0	95.7		37.9	181
n-Propylbenzene		5.0			54.0	50.00	0	107.9		74.6	118
o-Xylene		5.0			55.1	50.00	0	110.3		80.1	111
Pentachloroethane		20.0			56.8	50.00	0	113.6		78.8	117
p-Isopropyltoluene		5.0			57.0	50.00	0	114.1		77.6	118
Propionitrile		50.0			561	500.0	0	112.2		72.9	137
sec-Butylbenzene		5.0			55.2	50.00	0	110.4		74.5	119
Styrene		5.0	S		56.7	50.00	0	113.4		83.4	113
tert-Butylbenzene		5.0			54.1	50.00	0	108.2		75.9	114
Tetrachloroethene		5.0			53.6	50.00	0	107.3		72.5	125
Tetrahydrofuran		20.0			52.0	50.00	0	103.9		69.6	125
Toluene		5.0			53.1	50.00	0	106.1		77.5	113
trans-1,2-Dichloroethene		5.0			51.4	50.00	0	102.8		79	114
trans-1,3-Dichloropropene		5.0			56.2	50.00	0	112.5		78	115
trans-1,4-Dichloro-2-butene		10.0			55.5	50.00	0	111.1		63.3	128
Trichloroethene		5.0			52.3	50.00	0	104.7		84.4	114
Trichlorofluoromethane		5.0			52.2	50.00	0	104.4		75.2	132
Vinyl acetate		10.0			58.3	50.00	0	116.5		64.5	127

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 120273 SampType: LCS Units $\mu\text{g/L}$

SampID: LCS-T160628B-1

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Vinyl chloride	2.0		49.6	50.00	0	99.2		58	134	06/28/2016
Surr: 1,2-Dichloroethane-d4			48.3	50.00		96.5		74.7	129	06/28/2016
Surr: 4-Bromofluorobenzene			48.6	50.00		97.1		86	119	06/28/2016
Surr: Dibromofluoromethane			48.5	50.00		97.0		81.7	123	06/28/2016
Surr: Toluene-d8			50.5	50.00		101.1		84.1	114	06/28/2016

Batch 120273 SampType: MS Units $\mu\text{g/L}$

SampID: 16061607-005AMS

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1-Dichloroethene	5.0		43.5	50.00	0	87.0		35.7	136	06/28/2016
Benzene	2.0		47.9	50.00	0	95.9		62.5	121	06/28/2016
Chlorobenzene	5.0		48.5	50.00	0	96.9		78.6	114	06/28/2016
Ethylbenzene	5.0		51.9	50.00	0	103.7		74.4	130	06/28/2016
m,p-Xylenes	5.0		51.3	50.00	0	102.6		70.5	126	06/28/2016
o-Xylene	5.0		49.6	50.00	0	99.2		71.2	124	06/28/2016
Toluene	5.0		48.4	50.00	0	96.8		69.5	118	06/28/2016
Trichloroethene	5.0		47.6	50.00	0	95.3		69.4	117	06/28/2016
Surr: 1,2-Dichloroethane-d4			49.6	50.00		99.3		74.7	129	06/28/2016
Surr: 4-Bromofluorobenzene			49.5	50.00		99.1		86	119	06/28/2016
Surr: Dibromofluoromethane			47.0	50.00		94.0		81.7	123	06/28/2016
Surr: Toluene-d8			51.0	50.00		101.9		84.3	114	06/28/2016

Batch 120273 SampType: MSD Units $\mu\text{g/L}$

SampID: 16061607-005AMSD

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	Date Analyzed
1,1-Dichloroethene	5.0		42.4	50.00	0	84.7		43.52	2.68	06/28/2016	
Benzene	2.0		47.0	50.00	0	94.1		47.94	1.92	06/28/2016	
Chlorobenzene	5.0		47.4	50.00	0	94.8		48.47	2.25	06/28/2016	
Ethylbenzene	5.0		51.2	50.00	0	102.5		51.87	1.22	06/28/2016	
m,p-Xylenes	5.0		50.2	50.00	0	100.5		51.28	2.07	06/28/2016	
o-Xylene	5.0		48.7	50.00	0	97.5		49.61	1.77	06/28/2016	
Toluene	5.0		47.1	50.00	0	94.2		48.40	2.70	06/28/2016	
Trichloroethene	5.0		47.2	50.00	0	94.5		47.65	0.86	06/28/2016	
Surr: 1,2-Dichloroethane-d4			49.8	50.00		99.6				06/28/2016	
Surr: 4-Bromofluorobenzene			50.1	50.00		100.2				06/28/2016	
Surr: Dibromofluoromethane			47.2	50.00		94.4				06/28/2016	
Surr: Toluene-d8			50.8	50.00		101.5				06/28/2016	

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120321	SampType	MBLK	Units	µg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
1,1,1,2-Tetrachloroethane		5.0		ND							06/29/2016
1,1,1-Trichloroethane		5.0		ND							06/29/2016
1,1,2,2-Tetrachloroethane		5.0		ND							06/29/2016
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND							06/29/2016
1,1,2-Trichloroethane		5.0		ND							06/29/2016
1,1-Dichloro-2-propanone		50.0		ND							06/29/2016
1,1-Dichloroethane		5.0		ND							06/29/2016
1,1-Dichloroethene		5.0		ND							06/29/2016
1,1-Dichloropropene		5.0		ND							06/29/2016
1,2,3-Trichlorobenzene		5.0		ND							06/29/2016
1,2,3-Trichloropropane		5.0		ND							06/29/2016
1,2,3-Trimethylbenzene		5.0		ND							06/29/2016
1,2,4-Trichlorobenzene		5.0		ND							06/29/2016
1,2,4-Trimethylbenzene		5.0		ND							06/29/2016
1,2-Dibromo-3-chloropropane		5.0		ND							06/29/2016
1,2-Dibromoethane		5.0		ND							06/29/2016
1,2-Dichlorobenzene		5.0		ND							06/29/2016
1,2-Dichloroethane		5.0		ND							06/29/2016
1,2-Dichloropropane		5.0		ND							06/29/2016
1,3,5-Trimethylbenzene		5.0		ND							06/29/2016
1,3-Dichlorobenzene		5.0		ND							06/29/2016
1,3-Dichloropropane		5.0		ND							06/29/2016
1,4-Dichlorobenzene		5.0		ND							06/29/2016
1-Chlorobutane		5.0		ND							06/29/2016
2,2-Dichloropropane		5.0		ND							06/29/2016
2-Butanone		25.0		ND							06/29/2016
2-Chloroethyl vinyl ether		20.0		ND							06/29/2016
2-Chlorotoluene		5.0		ND							06/29/2016
2-Hexanone		25.0		ND							06/29/2016
2-Nitropropane		50.0		ND							06/29/2016
4-Chlorotoluene		5.0		ND							06/29/2016
4-Methyl-2-pentanone		25.0		ND							06/29/2016
Acetone		25.0		ND							06/29/2016
Acetonitrile		50.0		ND							06/29/2016
Acrolein		100		ND							06/29/2016
Acrylonitrile		5.0		ND							06/29/2016
Allyl chloride		5.0		ND							06/29/2016
Benzene		2.0		ND							06/29/2016
Bromobenzene		5.0		ND							06/29/2016
Bromochloromethane		5.0		ND							06/29/2016
Bromodichloromethane		5.0		ND							06/29/2016
Bromoform		5.0		ND							06/29/2016
Bromomethane		10.0		ND							06/29/2016
Carbon disulfide		5.0		ND							06/29/2016
Carbon tetrachloride		5.0		ND							06/29/2016
Chlorobenzene		5.0		ND							06/29/2016
Chloroethane		10.0		ND							06/29/2016

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061607
Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloroform	5.0		ND							06/29/2016
Chloromethane	10.0		ND							06/29/2016
Chloroprene	20.0		ND							06/29/2016
cis-1,2-Dichloroethene	5.0		ND							06/29/2016
cis-1,3-Dichloropropene	5.0		ND							06/29/2016
cis-1,4-Dichloro-2-butene	5.0		ND							06/29/2016
Cyclohexanone	50.0		ND							06/29/2016
Dibromochloromethane	5.0		ND							06/29/2016
Dibromomethane	5.0		ND							06/29/2016
Dichlorodifluoromethane	10.0		ND							06/29/2016
Ethyl acetate	10.0		ND							06/29/2016
Ethyl ether	5.0		ND							06/29/2016
Ethyl methacrylate	5.0		ND							06/29/2016
Ethylbenzene	5.0		ND							06/29/2016
Hexachlorobutadiene	5.0		ND							06/29/2016
Hexachloroethane	10.0		ND							06/29/2016
Iodomethane	5.0		ND							06/29/2016
Isopropylbenzene	5.0		ND							06/29/2016
m,p-Xylenes	5.0		ND							06/29/2016
Methacrylonitrile	10.0		ND							06/29/2016
Methyl Methacrylate	5.0		ND							06/29/2016
Methyl tert-butyl ether	2.0		ND							06/29/2016
Methylacrylate	10.0		ND							06/29/2016
Methylene chloride	5.0		ND							06/29/2016
Naphthalene	10.0		ND							06/29/2016
n-Butyl acetate	25.0		ND							06/29/2016
n-Butylbenzene	5.0		ND							06/29/2016
n-Heptane	20.0		ND							06/29/2016
n-Hexane	20.0		ND							06/29/2016
Nitrobenzene	50.0		ND							06/29/2016
n-Propylbenzene	5.0		ND							06/29/2016
o-Xylene	5.0		ND							06/29/2016
Pentachloroethane	20.0		ND							06/29/2016
p-Isopropyltoluene	5.0		ND							06/29/2016
Propionitrile	50.0		ND							06/29/2016
sec-Butylbenzene	5.0		ND							06/29/2016
Styrene	5.0		ND							06/29/2016
tert-Butylbenzene	5.0		ND							06/29/2016
Tetrachloroethene	5.0		ND							06/29/2016
Tetrahydrofuran	20.0		ND							06/29/2016
Toluene	5.0		ND							06/29/2016
trans-1,2-Dichloroethene	5.0		ND							06/29/2016
trans-1,3-Dichloropropene	5.0		ND							06/29/2016
trans-1,4-Dichloro-2-butene	10.0		ND							06/29/2016
Trichloroethene	5.0		ND							06/29/2016
Trichlorofluoromethane	5.0		ND							06/29/2016
Vinyl acetate	10.0		ND							06/29/2016

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 120321 SampType: MBLK Units µg/L

SampID: MBLK-N160629A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Vinyl chloride	2.0		ND						06/29/2016
Surr: 1,2-Dichloroethane-d4			53.1	50.00		106.2	74.7	129	06/29/2016
Surr: 4-Bromofluorobenzene			51.5	50.00		103.0	86	119	06/29/2016
Surr: Dibromofluoromethane			51.5	50.00		102.9	81.7	123	06/29/2016
Surr: Toluene-d8			49.9	50.00		99.8	84.3	114	06/29/2016

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120321	SampType:	LCSD	Units	µg/L	RPD Limit 40									Date Analyzed
				SampleID:	LCSD-N160629A-1	Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
1,1,1,2-Tetrachloroethane				5.0		47.9	50.00	0	95.9		53.35		10.68		06/29/2016
1,1,1-Trichloroethane				5.0		46.8	50.00	0	93.5		52.46		11.47		06/29/2016
1,1,2,2-Tetrachloroethane				5.0		46.8	50.00	0	93.6		51.26		9.08		06/29/2016
1,1,2-Trichloro-1,2,2-trifluoroethane				20.0		44.7	50.00	0	89.4		50.67		12.52		06/29/2016
1,1,2-Trichloroethane				5.0		45.4	50.00	0	90.7		50.24		10.21		06/29/2016
1,1-Dichloro-2-propanone				50.0		107	125.0	0	85.3		115.6		8.13		06/29/2016
1,1-Dichloroethane				5.0		45.6	50.00	0	91.1		51.44		12.15		06/29/2016
1,1-Dichloroethene				5.0		45.5	50.00	0	91.1		51.31		11.92		06/29/2016
1,1-Dichloropropene				5.0		46.0	50.00	0	92.0		52.14		12.53		06/29/2016
1,2,3-Trichlorobenzene				5.0		46.5	50.00	0	93.0		50.94		9.11		06/29/2016
1,2,3-Trichloropropane				5.0		43.7	50.00	0	87.4		47.62		8.63		06/29/2016
1,2,3-Trimethylbenzene				5.0		47.6	50.00	0	95.3		53.18		10.97		06/29/2016
1,2,4-Trichlorobenzene				5.0		46.7	50.00	0	93.4		52.33		11.35		06/29/2016
1,2,4-Trimethylbenzene				5.0		47.6	50.00	0	95.3		52.76		10.18		06/29/2016
1,2-Dibromo-3-chloropropane				5.0		44.2	50.00	0	88.5		48.83		9.86		06/29/2016
1,2-Dibromoethane				5.0		47.3	50.00	0	94.5		51.50		8.59		06/29/2016
1,2-Dichlorobenzene				5.0		47.0	50.00	0	94.0		52.32		10.76		06/29/2016
1,2-Dichloroethane				5.0		47.8	50.00	0	95.6		52.85		9.99		06/29/2016
1,2-Dichloropropane				5.0		47.7	50.00	0	95.5		53.47		11.34		06/29/2016
1,3,5-Trimethylbenzene				5.0		48.5	50.00	0	96.9		53.89		10.59		06/29/2016
1,3-Dichlorobenzene				5.0		47.5	50.00	0	94.9		52.43		9.95		06/29/2016
1,3-Dichloropropane				5.0		46.6	50.00	0	93.1		51.34		9.77		06/29/2016
1,4-Dichlorobenzene				5.0		46.7	50.00	0	93.3		52.15		11.11		06/29/2016
1-Chlorobutane				5.0		46.0	50.00	0	92.1		52.31		12.77		06/29/2016
2,2-Dichloropropane				5.0		44.8	50.00	0	89.5		51.61		14.22		06/29/2016
2-Butanone				25.0		117	125.0	0	93.3		131.8		12.25		06/29/2016
2-Chloroethyl vinyl ether				20.0		49.4	50.00	0	98.7		55.36		11.46		06/29/2016
2-Chlorotoluene				5.0		46.3	50.00	0	92.5		52.06		11.78		06/29/2016
2-Hexanone				25.0		119	125.0	0	95.3		129.4		8.30		06/29/2016
2-Nitropropane				50.0		534	500.0	0	106.8		597.2		11.18		06/29/2016
4-Chlorotoluene				5.0		48.2	50.00	0	96.4		53.41		10.30		06/29/2016
4-Methyl-2-pentanone				25.0		115	125.0	0	91.8		126.7		9.95		06/29/2016
Acetone				25.0		101	125.0	0	80.4		109.9		8.87		06/29/2016
Acetonitrile				50.0		435	500.0	0	86.9		486.6		11.28		06/29/2016
Acrolein				100		444	500.0	0	88.8		459.6		3.47		06/29/2016
Acrylonitrile				5.0		44.7	50.00	0	89.3		49.09		9.45		06/29/2016
Allyl chloride				5.0		50.7	50.00	0	101.4		56.92		11.54		06/29/2016
Benzene				2.0		45.2	50.00	0	90.3		50.76		11.70		06/29/2016
Bromobenzene				5.0		46.3	50.00	0	92.5		51.45		10.62		06/29/2016
Bromochloromethane				5.0		49.3	50.00	0	98.6		55.05		11.02		06/29/2016
Bromodichloromethane				5.0		50.0	50.00	0	100.0		55.71		10.80		06/29/2016
Bromoform				5.0		49.4	50.00	0	98.7		54.26		9.46		06/29/2016
Bromomethane				10.0		61.6	50.00	0	123.2		68.41		10.51		06/29/2016
Carbon disulfide				5.0		43.7	50.00	0	87.3		49.45		12.41		06/29/2016
Carbon tetrachloride				5.0		46.0	50.00	0	92.0		51.90		12.10		06/29/2016
Chlorobenzene				5.0		47.0	50.00	0	94.0		52.24		10.58		06/29/2016
Chloroethane				10.0		56.8	50.00	0	113.5		63.82		11.73		06/29/2016

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120321	SampType:	LCSD	Units	µg/L	RPD Limit 40						Date Analyzed	
SampID: LCSD-N160629A-1													
Analyses		RL	Qual			Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD
Chloroform		5.0				47.1	50.00	0	94.2		53.08		11.98
Chloromethane		10.0				48.0	50.00	0	95.9		55.05		13.79
Chloroprene		20.0				47.8	50.00	0	95.7		54.01		12.14
cis-1,2-Dichloroethene		5.0				47.1	50.00	0	94.2		53.66		13.02
cis-1,3-Dichloropropene		5.0				49.6	50.00	0	99.2		55.33		10.94
cis-1,4-Dichloro-2-butene		5.0				50.0	50.00	0	99.9		55.26		10.09
Cyclohexanone		50.0				374	500.0	0	74.7		399.6		6.72
Dibromochloromethane		5.0				48.7	50.00	0	97.4		53.49		9.40
Dibromomethane		5.0				48.2	50.00	0	96.3		53.59		10.67
Dichlorodifluoromethane		10.0				33.0	50.00	0	66.1		37.61		12.91
Ethyl acetate		10.0				45.3	50.00	0	90.5		49.79		9.51
Ethyl ether		5.0				45.3	50.00	0	90.6		49.56		8.94
Ethyl methacrylate		5.0				49.3	50.00	0	98.6		53.25		7.70
Ethylbenzene		5.0				48.5	50.00	0	97.0		54.13		10.93
Hexachlorobutadiene		5.0				47.3	50.00	0	94.7		52.19		9.75
Hexachloroethane		10.0				47.9	50.00	0	95.7		52.90		9.98
Iodomethane		5.0				47.5	50.00	0	94.9		53.12		11.23
Isopropylbenzene		5.0				49.4	50.00	0	98.9		55.65		11.80
m,p-Xylenes		5.0				98.6	100.0	0	98.6		110.0		10.93
Methacrylonitrile		10.0				50.2	50.00	0	100.3		53.96		7.32
Methyl Methacrylate		5.0				49.3	50.00	0	98.5		57.01		14.57
Methyl tert-butyl ether		2.0				48.3	50.00	0	96.6		54.09		11.35
Methylacrylate		10.0				48.3	50.00	0	96.6		53.39		9.99
Methylene chloride		5.0				46.4	50.00	0	92.8		51.66		10.73
Naphthalene		10.0				40.8	50.00	0	81.5		44.79		9.45
n-Butyl acetate		25.0				49.2	50.00	0	98.5		53.70		8.69
n-Butylbenzene		5.0				50.2	50.00	0	100.5		56.23		11.27
n-Heptane		20.0				46.6	50.00	0	93.2		53.21		13.25
n-Hexane		20.0				44.6	50.00	0	89.2		50.62		12.60
Nitrobenzene		50.0				379	500.0	0	75.8		420.6		10.39
n-Propylbenzene		5.0				47.9	50.00	0	95.9		53.63		11.22
o-Xylene		5.0				48.7	50.00	0	97.4		54.69		11.57
Pentachloroethane		20.0				47.2	50.00	0	94.5		52.60		10.72
p-Isopropyltoluene		5.0				49.5	50.00	0	99.1		54.99		10.45
Propionitrile		50.0				449	500.0	0	89.8		497.0		10.14
sec-Butylbenzene		5.0				49.0	50.00	0	97.9		54.77		11.18
Styrene		5.0				46.6	50.00	0	93.1		51.64		10.32
tert-Butylbenzene		5.0				48.3	50.00	0	96.5		53.94		11.12
Tetrachloroethene		5.0				45.2	50.00	0	90.3		49.78		9.71
Tetrahydrofuran		20.0				43.9	50.00	0	87.9		48.51		9.89
Toluene		5.0				44.6	50.00	0	89.2		50.08		11.55
trans-1,2-Dichloroethene		5.0				46.6	50.00	0	93.1		52.77		12.48
trans-1,3-Dichloropropene		5.0				48.5	50.00	0	97.1		54.00		10.67
trans-1,4-Dichloro-2-butene		10.0				47.4	50.00	0	94.9		52.73		10.58
Trichloroethene		5.0				46.4	50.00	0	92.7		53.02		13.38
Trichlorofluoromethane		5.0				44.4	50.00	0	88.9		51.06		13.84
Vinyl acetate		10.0				49.5	50.00	0	99.0		55.76		11.87

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120321	SampType	LCSD	Units	µg/L	RPD Limit 40						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	
Vinyl chloride		2.0		52.3	50.00	0	104.6		59.71		13.19	06/29/2016
Surr: 1,2-Dichloroethane-d4				51.7	50.00		103.3					06/29/2016
Surr: 4-Bromofluorobenzene				50.3	50.00		100.6					06/29/2016
Surr: Dibromofluoromethane				50.8	50.00		101.6					06/29/2016
Surr: Toluene-d8				49.6	50.00		99.3					06/29/2016

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120321	SampType	LCS	Units	µg/L							Date Analyzed
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
1,1,1,2-Tetrachloroethane		5.0			53.4	50.00	0	106.7		81.9	115	06/29/2016
1,1,1-Trichloroethane		5.0			52.5	50.00	0	104.9		79.4	124	06/29/2016
1,1,2,2-Tetrachloroethane		5.0			51.3	50.00	0	102.5		74.7	116	06/29/2016
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0			50.7	50.00	0	101.3		72.9	121	06/29/2016
1,1,2-Trichloroethane		5.0			50.2	50.00	0	100.5		80.8	111	06/29/2016
1,1-Dichloro-2-propanone		50.0			116	125.0	0	92.5		66.3	130	06/29/2016
1,1-Dichloroethane		5.0			51.4	50.00	0	102.9		79.4	114	06/29/2016
1,1-Dichloroethene		5.0			51.3	50.00	0	102.6		74.1	117	06/29/2016
1,1-Dichloropropene		5.0			52.1	50.00	0	104.3		81.7	116	06/29/2016
1,2,3-Trichlorobenzene		5.0			50.9	50.00	0	101.9		79.7	118	06/29/2016
1,2,3-Trichloropropane		5.0			47.6	50.00	0	95.2		77.3	112	06/29/2016
1,2,3-Trimethylbenzene		5.0			53.2	50.00	0	106.4		79.9	119	06/29/2016
1,2,4-Trichlorobenzene		5.0			52.3	50.00	0	104.7		79.3	118	06/29/2016
1,2,4-Trimethylbenzene		5.0			52.8	50.00	0	105.5		78.7	115	06/29/2016
1,2-Dibromo-3-chloropropane		5.0			48.8	50.00	0	97.7		76	122	06/29/2016
1,2-Dibromoethane		5.0			51.5	50.00	0	103.0		80.8	114	06/29/2016
1,2-Dichlorobenzene		5.0			52.3	50.00	0	104.6		78.3	112	06/29/2016
1,2-Dichloroethane		5.0			52.8	50.00	0	105.7		70.6	118	06/29/2016
1,2-Dichloropropane		5.0			53.5	50.00	0	106.9		79.6	113	06/29/2016
1,3,5-Trimethylbenzene		5.0			53.9	50.00	0	107.8		77.5	115	06/29/2016
1,3-Dichlorobenzene		5.0			52.4	50.00	0	104.9		78.6	117	06/29/2016
1,3-Dichloropropane		5.0			51.3	50.00	0	102.7		78.8	112	06/29/2016
1,4-Dichlorobenzene		5.0			52.2	50.00	0	104.3		77.8	114	06/29/2016
1-Chlorobutane		5.0			52.3	50.00	0	104.6		78.6	115	06/29/2016
2,2-Dichloropropane		5.0			51.6	50.00	0	103.2		74.9	130	06/29/2016
2-Butanone		25.0			132	125.0	0	105.5		70.7	136	06/29/2016
2-Chloroethyl vinyl ether		20.0			55.4	50.00	0	110.7		52.5	145	06/29/2016
2-Chlorotoluene		5.0			52.1	50.00	0	104.1		77.4	114	06/29/2016
2-Hexanone		25.0			129	125.0	0	103.6		73.3	125	06/29/2016
2-Nitropropane		50.0			597	500.0	0	119.4		67.3	139	06/29/2016
4-Chlorotoluene		5.0			53.4	50.00	0	106.8		78.3	115	06/29/2016
4-Methyl-2-pentanone		25.0			127	125.0	0	101.4		76.3	122	06/29/2016
Acetone		25.0			110	125.0	0	87.9		56.4	147	06/29/2016
Acetonitrile		50.0			487	500.0	0	97.3		59.3	129	06/29/2016
Acrolein		100			460	500.0	0	91.9		1	201	06/29/2016
Acrylonitrile		5.0			49.1	50.00	0	98.2		74.1	128	06/29/2016
Allyl chloride		5.0			56.9	50.00	0	113.8		71.5	123	06/29/2016
Benzene		2.0			50.8	50.00	0	101.5		80	114	06/29/2016
Bromobenzene		5.0			51.4	50.00	0	102.9		73.2	118	06/29/2016
Bromochloromethane		5.0			55.0	50.00	0	110.1		73.3	121	06/29/2016
Bromodichloromethane		5.0			55.7	50.00	0	111.4		81.6	121	06/29/2016
Bromoform		5.0			54.3	50.00	0	108.5		83.1	127	06/29/2016
Bromomethane		10.0			68.4	50.00	0	136.8		44.4	154	06/29/2016
Carbon disulfide		5.0			49.4	50.00	0	98.9		73.2	118	06/29/2016
Carbon tetrachloride		5.0			51.9	50.00	0	103.8		79.4	130	06/29/2016
Chlorobenzene		5.0			52.2	50.00	0	104.5		81.4	110	06/29/2016
Chloroethane		10.0			63.8	50.00	0	127.6		52.1	137	06/29/2016

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120321	SampType	LCS	Units	µg/L						Date Analyzed
SampID:	LCS-N160629A-1										
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit
Chloroform		5.0			53.1	50.00	0	106.2		82.7	116
Chloromethane		10.0			55.0	50.00	0	110.1		48.2	144
Chloroprene		20.0			54.0	50.00	0	108.0		80.6	126
cis-1,2-Dichloroethene		5.0			53.7	50.00	0	107.3		78.2	116
cis-1,3-Dichloropropene		5.0			55.3	50.00	0	110.7		83	119
cis-1,4-Dichloro-2-butene		5.0			55.3	50.00	0	110.5		60.7	137
Cyclohexanone		50.0			400	500.0	0	79.9		54.2	145
Dibromochloromethane		5.0			53.5	50.00	0	107.0		81.2	121
Dibromomethane		5.0			53.6	50.00	0	107.2		78.3	118
Dichlorodifluoromethane		10.0			37.6	50.00	0	75.2		20.6	154
Ethyl acetate		10.0			49.8	50.00	0	99.6		73.1	116
Ethyl ether		5.0			49.6	50.00	0	99.1		75.2	109
Ethyl methacrylate		5.0			53.2	50.00	0	106.5		80.1	113
Ethylbenzene		5.0			54.1	50.00	0	108.3		77.2	113
Hexachlorobutadiene		5.0			52.2	50.00	0	104.4		77.3	123
Hexachloroethane		10.0			52.9	50.00	0	105.8		74.6	117
Iodomethane		5.0			53.1	50.00	0	106.2		61.3	140
Isopropylbenzene		5.0			55.6	50.00	0	111.3		81.3	114
m,p-Xylenes		5.0			110	100.0	0	110.0		79.6	113
Methacrylonitrile		10.0			54.0	50.00	0	107.9		77.2	125
Methyl Methacrylate		5.0			57.0	50.00	0	114.0		74.2	121
Methyl tert-butyl ether		2.0			54.1	50.00	0	108.2		76.8	117
Methylacrylate		10.0			53.4	50.00	0	106.8		78	124
Methylene chloride		5.0			51.7	50.00	0	103.3		74.1	114
Naphthalene		10.0			44.8	50.00	0	89.6		77.9	122
n-Butyl acetate		25.0			53.7	50.00	0	107.4		74	120
n-Butylbenzene		5.0			56.2	50.00	0	112.5		71.1	120
n-Heptane		20.0			53.2	50.00	0	106.4		67.4	129
n-Hexane		20.0			50.6	50.00	0	101.2		68.4	126
Nitrobenzene		50.0			421	500.0	0	84.1		37.9	181
n-Propylbenzene		5.0			53.6	50.00	0	107.3		74.6	118
o-Xylene		5.0			54.7	50.00	0	109.4		80.1	111
Pentachloroethane		20.0			52.6	50.00	0	105.2		78.8	117
p-Isopropyltoluene		5.0			55.0	50.00	0	110.0		77.6	118
Propionitrile		50.0			497	500.0	0	99.4		72.9	137
sec-Butylbenzene		5.0			54.8	50.00	0	109.5		74.5	119
Styrene		5.0			51.6	50.00	0	103.3		83.4	113
tert-Butylbenzene		5.0			53.9	50.00	0	107.9		75.9	114
Tetrachloroethene		5.0			49.8	50.00	0	99.6		72.5	125
Tetrahydrofuran		20.0			48.5	50.00	0	97.0		69.6	125
Toluene		5.0			50.1	50.00	0	100.2		77.5	113
trans-1,2-Dichloroethene		5.0			52.8	50.00	0	105.5		79	114
trans-1,3-Dichloropropene		5.0			54.0	50.00	0	108.0		78	115
trans-1,4-Dichloro-2-butene		10.0			52.7	50.00	0	105.5		63.3	128
Trichloroethene		5.0			53.0	50.00	0	106.0		84.4	114
Trichlorofluoromethane		5.0			51.1	50.00	0	102.1		75.2	132
Vinyl acetate		10.0			55.8	50.00	0	111.5		64.5	127



Quality Control Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120321	SampType	LCS	Units	µg/L						Date Analyzed
SampID:	LCS-N160629A-1										
Analyses		RL	Qual			Result	Spike	SPK	Ref Val	%REC	
Vinyl chloride		2.0				59.7	50.00	0	119.4	58	134
Surr: 1,2-Dichloroethane-d4						51.7	50.00		103.4	74.7	129
Surr: 4-Bromofluorobenzene						49.1	50.00		98.1	86	119
Surr: Dibromofluoromethane						50.6	50.00		101.3	81.7	123
Surr: Toluene-d8						49.1	50.00		98.1	84.1	114

Batch 120321 SampType: LCSGD Units %REC RPD Limit 0

Batch	120321	SampType	LCSGD	Units	%REC						Date Analyzed
SampID:	LCSGD-N160629A-1										
Analyses		RL	Qual			Result	Spike	SPK	Ref Val	%REC	
Surr: 1,2-Dichloroethane-d4						51.0	50.00		102.0		06/29/2016
Surr: 4-Bromofluorobenzene						50.7	50.00		101.4		06/29/2016
Surr: Dibromofluoromethane						49.8	50.00		99.7		06/29/2016
Surr: Toluene-d8						49.7	50.00		99.4		06/29/2016

Batch 120321 SampType: LCSG Units %REC

Batch	120321	SampType	LCSG	Units	%REC						Date Analyzed
SampID:	LCSG-N160629A-1										
Analyses		RL	Qual			Result	Spike	SPK	Ref Val	%REC	
Surr: 1,2-Dichloroethane-d4						51.3	50.00		102.6	74.7	129
Surr: 4-Bromofluorobenzene						50.2	50.00		100.4	86	119
Surr: Dibromofluoromethane						49.8	50.00		99.5	81.7	123
Surr: Toluene-d8						50.4	50.00		100.7	84.3	114

Receiving Check List

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16061607

Client Project: Huster Road Substation 120-678

Report Date: 01-Jul-16

Carrier: Monte Peake

Received By: KF

Completed by:

On:

24-Jun-16

Kalyn Foecke

Kalyn Foecke

Reviewed by:

On:

24-Jun-16

Elizabeth A. Hurley

Elizabeth A. Hurley

Pages to follow: Chain of custody 1

Extra pages included 0

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 19.42
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
<i>When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.</i>				
Water – at least one vial per sample has zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input type="checkbox"/>	
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	

Any No responses must be detailed below or on the COC.

CHAIN OF CUSTODY

pg. 1 of 1 Work Order # 16061607

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client:	CIVIL & ENVIRONMENTAL CONSULTANTS, INC.		
Address:	4848 PARK 370 BLVD, SUITE F		
City / State / Zip:	HAZELWOOD, MO 63042		
Contact:	MONTE PEAKE	Phone:	314-656-4566
E-Mail:	mpeak@cecinc.com		
Fax:			

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. Yes No
- Are these samples known to be hazardous? Yes No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. Yes No

Samples on: <input checked="" type="checkbox"/> Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> No Ice	19.12 °C
Preserved in: <input type="checkbox"/> Lab <input type="checkbox"/> Field	FOR LAB USE ONLY
Lab Notes: <i>Zero Woods, Bell OM Cphy</i>	
Comments:	

Project Name / Number HUSTER ROAD SUBSTATION 120-678	Sample Collector's Name MONTE P. NEIL K.	MATRIX							INDICATE ANALYSIS REQUESTED										
		# and Type of Containers																	
Results Requested <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge)	Billing Instructions AMEREN	UNPRES	HNO ₃	NaOH	H ₂ SO ₄	HCL	MeOH	NaHSO ₄	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	9728701				
16061607-001	CW-4	6/24/16 @ 0833				2				X					X				
002	CW-5	0840				2				X					X				
003	CW-6	0855				2				X					X				
004	CW-9	0900				2				X					X				
005	DUP	—				2				X					X				
Relinquished By <i>Monte Peake</i>			Date / Time 6/24/16 @ 1455				Received By <i>Kleedie</i>				Date / Time 6/24/16 1455								

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE - LAB **YELLOW - SAMPLER'S COPY** *110*